

Ecology

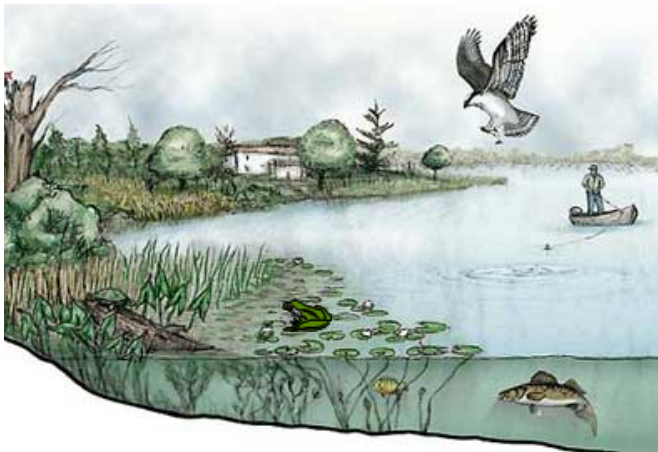
The study of the interaction of living things with each other and with the non-living things in their environment



Ecosystems:

Biotic factors are the living things in an ecosystem

Abiotic factors are the non living parts of an ecosystem

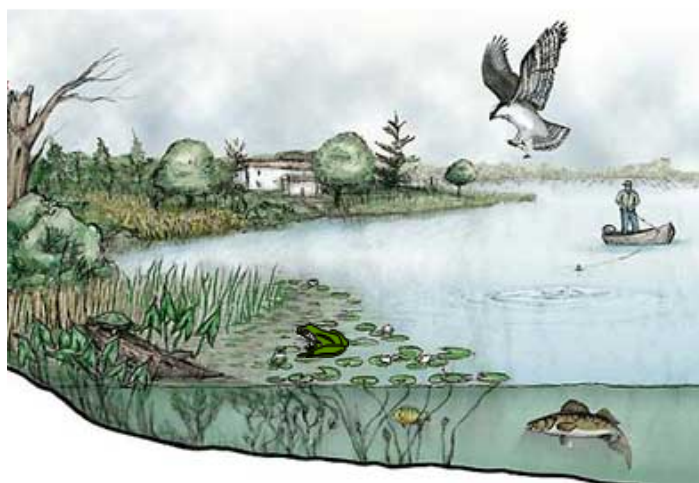


Pond Ecosystem

Abiotic factors	Biotic factors
Water Detritus ↳ decayed plants, fish, insects Fishing rod boat rock sand	Bait Eagle Cat Fish Beaver Frog Flies Plants Tadpoles Weeds Grasses Trees Lily Pads

Biotic factors are the living things in an ecosystem

Abiotic factors are the non living parts of an ecosystem



Pond Ecosystem

Abiotic factors	Biotic factors
rocks sand water fresh/salt nutrients temperature O_2 CO_2 Minerals Weather wind sunny/shady temperature	Fish Bacteria Frogs Birds Turtles Insects Plants snakes Trees

Ecosystem Organization Pyramid

Prairie ecosystem

smallest

Individual - a single living organism



Bison



Bison herd



Hawk, snake, bison, prairie dog, grass

Population - a group of organisms of the same kind, living in the same area.

Community - all the organisms, of all types, living in the same area.



Hawk, snake, bison, prairie dog, grass, stream, rocks, air

Ecosystem - all the organisms in the same area and their nonliving environment



Boreal Forest/Tundra

Biome - a group of similar ecosystems

largest



Biosphere - all life on earth